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December 28, 2001

EXPRESS MAIL NO. EL535778457US
ATTORNEY DOCKET NO. 07589.0005
CUSTOMER NO. 22,852

Box PATENT APPLICATION
Commissioner for Patents and Trademarks
Washington, DC 20231

New U.S. Patent Application
Title: ADAPTIVE DIGITAL BEAMFORMER COEFFICIENT
PROCESSOR FOR SATELLITE SIGNAL INTERFERENCE
REDUCTION
Inventors: Richard C. GAUS, Jr. et al.



Sir:

We enclose the following papers for filing in the United States Patent and Trademark Office in connection with the above patent application.

1. Application- 22 pages, including 4 independent claims and 8 claims total.
2. Drawings- 5 sheets of drawings (Figures 1-5).
3. The filing fee is calculated as follows:

Basic Application Filing Fee					\$740	\$ 740.00
	Number of Claims		Basic	Extra Claims		
Total Claims	8	-	20	0	x \$18	0.00
Independent Claims	4	-	3	1	x \$84	84.00
<input type="checkbox"/> Presentation of Multiple Dep. Claim(s)					+\$280	
Subtotal						\$ 824.00
Reduction by 1/2 if small entity						-
TOTAL APPLICATION FILING FEE						\$ 824.00

4. The total fee due is \$824.00. This fee includes:

\$740.00 filing fee; and
\$84.00 additional claims fee.

Applicant claims the right to priority based on Provisional Patent Application No. 60/259,121 filed December 29, 2001.

Please address all correspondence with respect to this application to:

Finnegan, Henderson, Farabow,
Garrett & Dunner, L.L.P.
1300 I Street, N.W.
Washington, D.C. 20005-3315

This application is being filed under the provisions of 37 C.F.R. § 1.53(f). Applicants await notification from the Patent and Trademark Office of the time set for filing the Declaration.

Please accord this application an application number and filing date.

The Commissioner is hereby authorized to charge any additional fees due, including the \$740.00 filing fee, and any other fees under 37 C.F.R. § 1.16 or § 1.17 during the pendency of this application, to our Deposit Account No. 06-0916.

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

CHARLENE L. THORPE

Charlena L. Thorpe
Reg. No. 48,035

Year	Country	Population (millions)	Urban population (millions)	Urban population (%)
1980	China	954	190	19.9
1985	China	1,059	230	21.7
1990	China	1,135	270	23.8
1995	China	1,212	310	25.6
2000	China	1,266	350	27.6
2005	China	1,321	390	29.5
2010	China	1,369	430	31.4
2015	China	1,418	470	33.2
2020	China	1,467	510	34.8
2025	China	1,516	550	36.3
2030	China	1,565	590	37.7
2035	China	1,614	630	39.1
2040	China	1,663	670	40.3
2045	China	1,712	710	41.5
2050	China	1,761	750	42.6
2055	China	1,810	790	43.6
2060	China	1,859	830	44.6
2065	China	1,908	870	45.6
2070	China	1,957	910	46.5
2075	China	2,006	950	47.4
2080	China	2,055	990	48.3
2085	China	2,104	1,030	49.2
2090	China	2,153	1,070	50.1
2095	China	2,202	1,110	51.0
2100	China	2,251	1,150	51.9

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**CERTIFICATE UNDER 37 CFR § 1.10 OF
MAILING BY "EXPRESS MAIL"**

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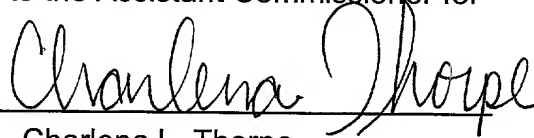
USPS Express Mail Label Number

December 28, 2001

Date of Deposit

I hereby certify that this correspondence is being deposited with the United States Postal Services "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

By:



Charlena L. Thorpe

Items attached:

1. Receipt postcard
2. Application- 22 pages, including 4 independent claims and 8 claims total.
3. Drawings-5 sheets of drawings (FIGS. 1-5).
4. Serial No. postcard
5. Transmittal Letter (3 pages)